

FIG. 1

20221018965001

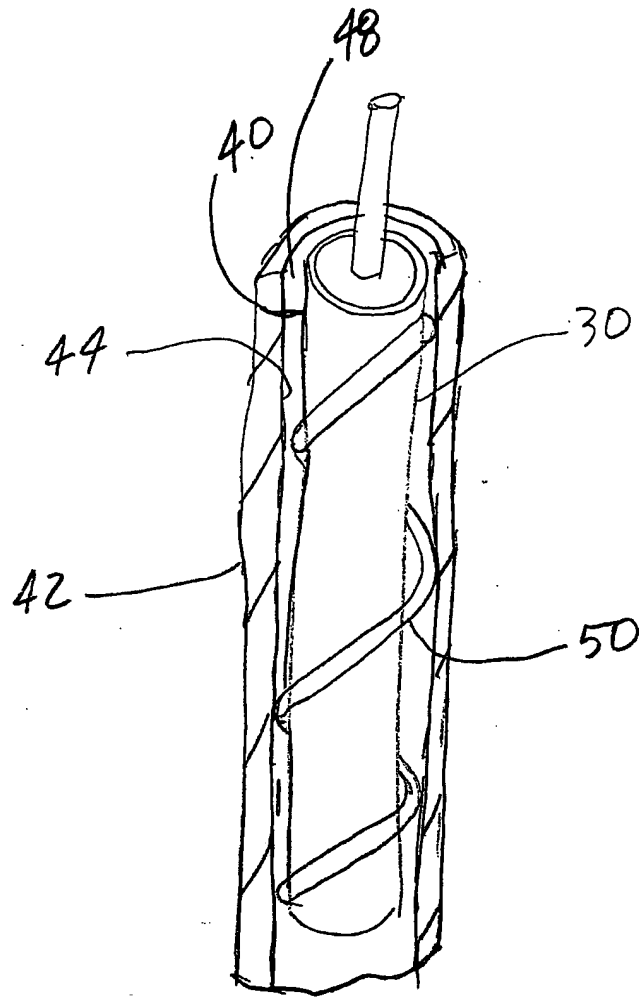


FIG. 2

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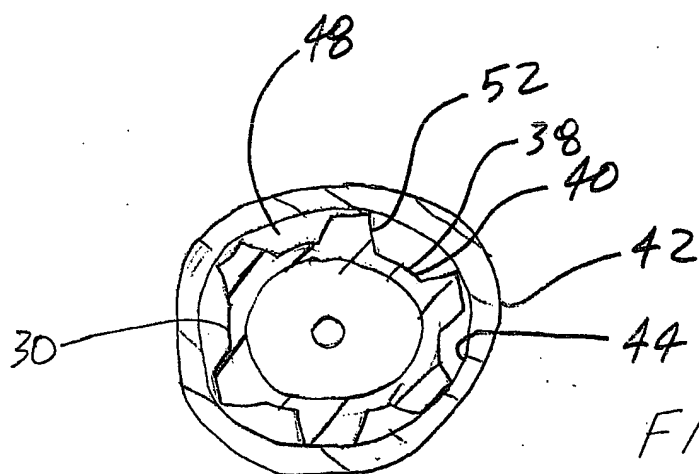


FIG 3A

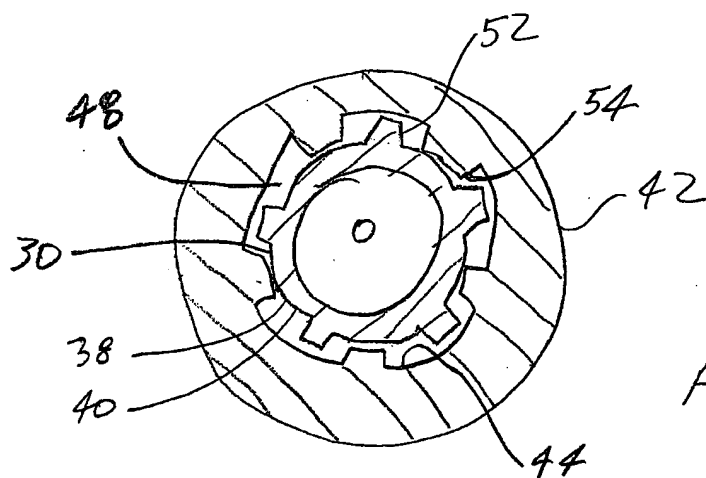


FIG 3B

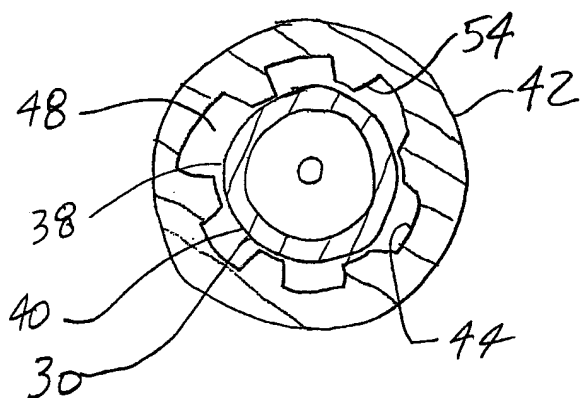
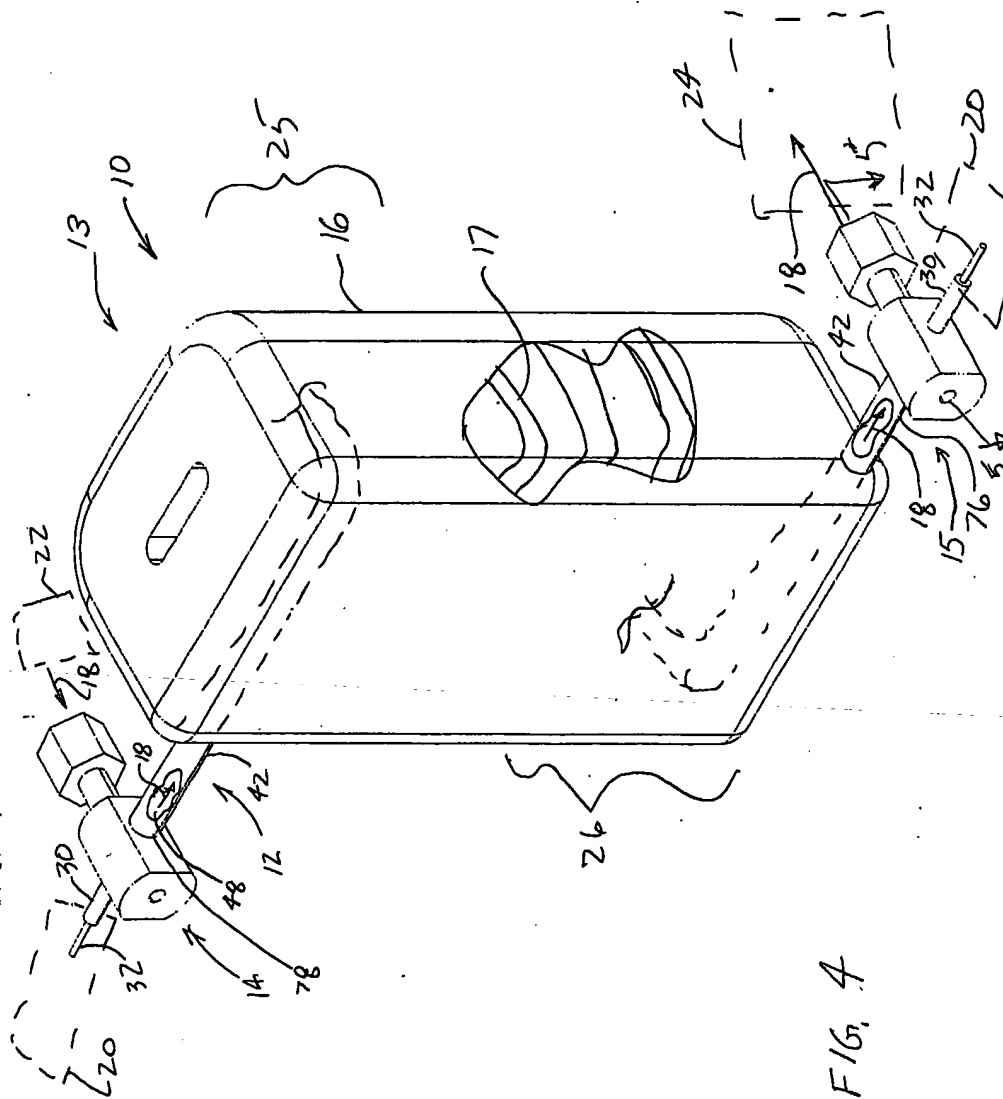
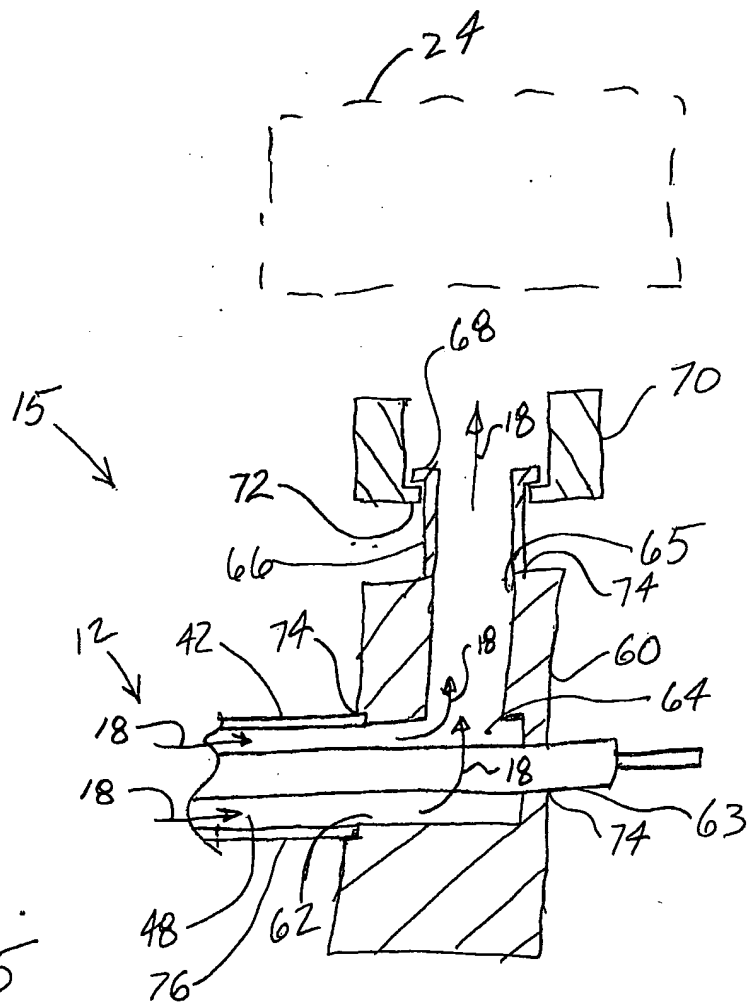
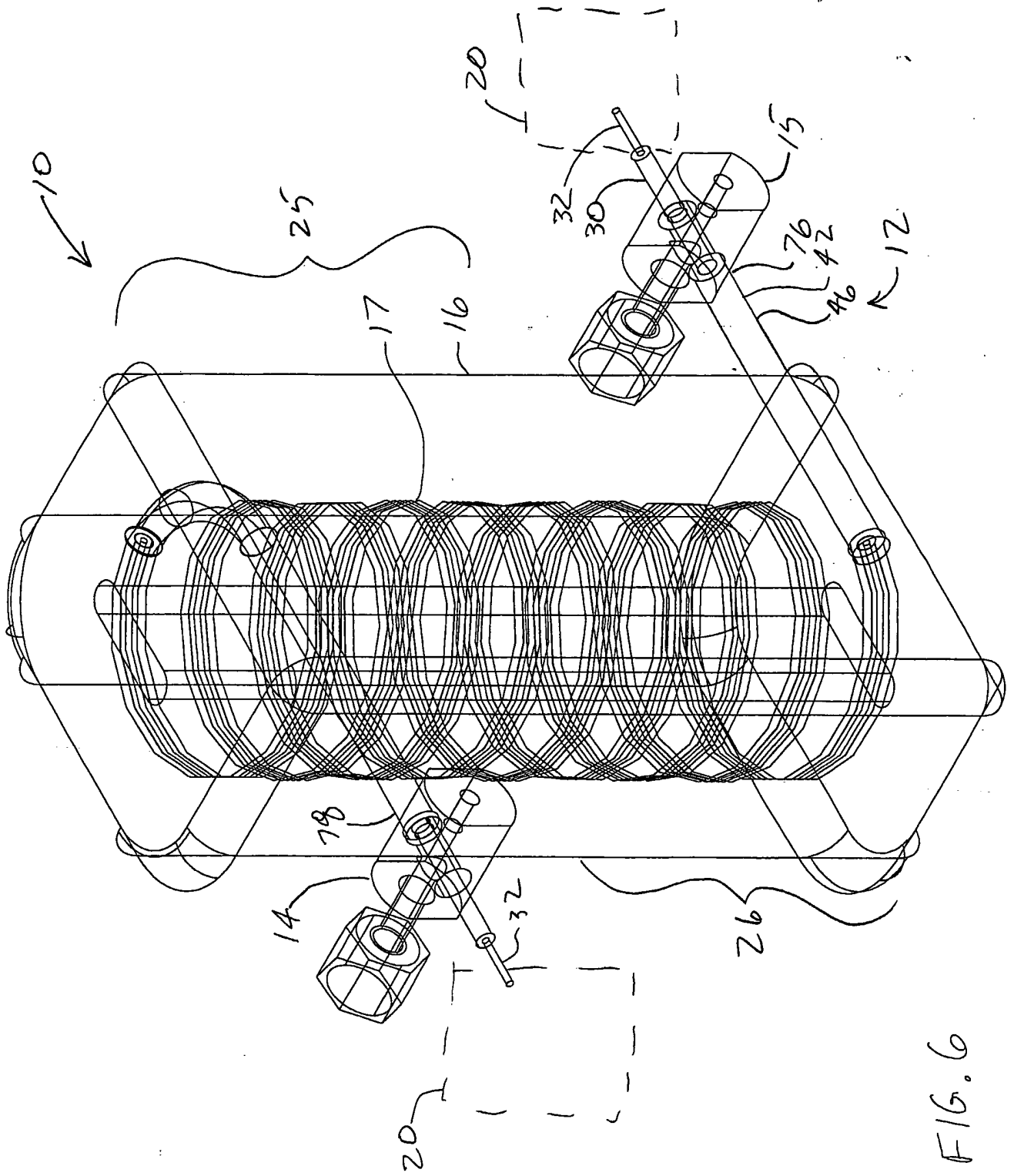


FIG 3C



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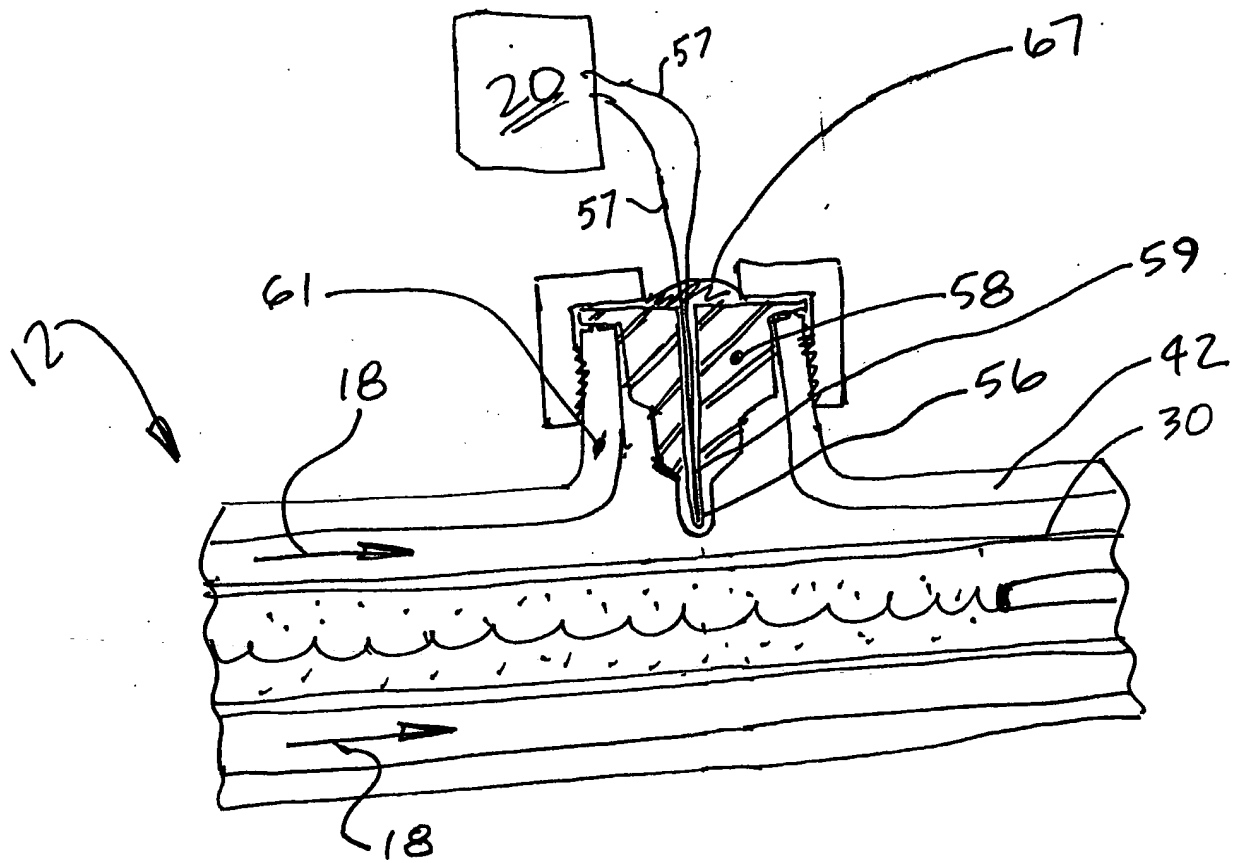


FIG. 7

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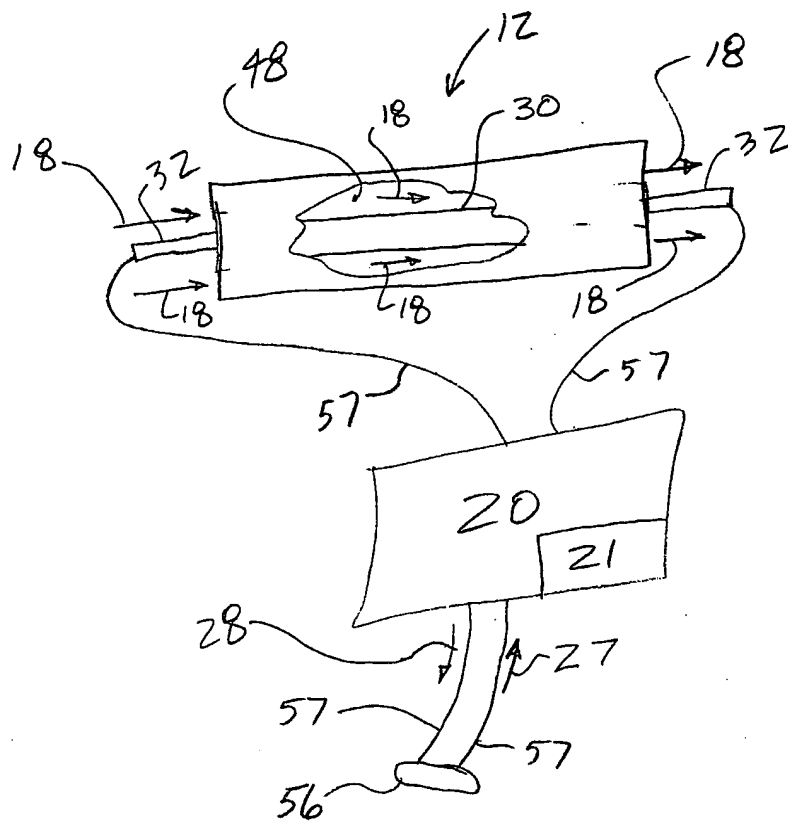


FIG. 8

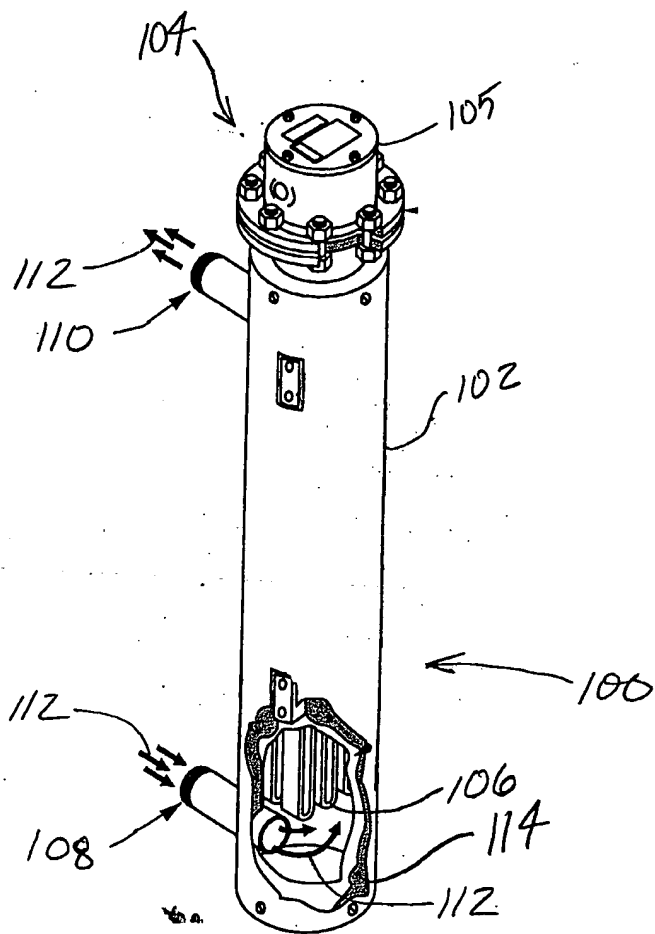


FIG. 9

PRIOR ART

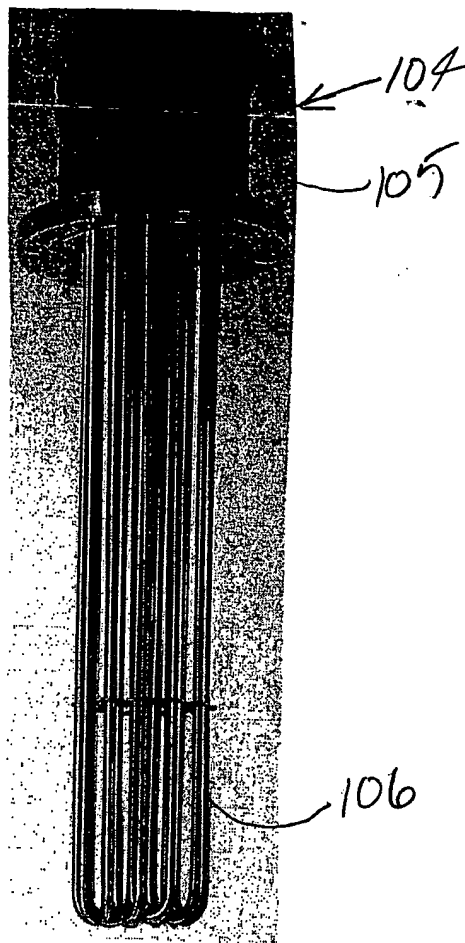


FIG. 9A

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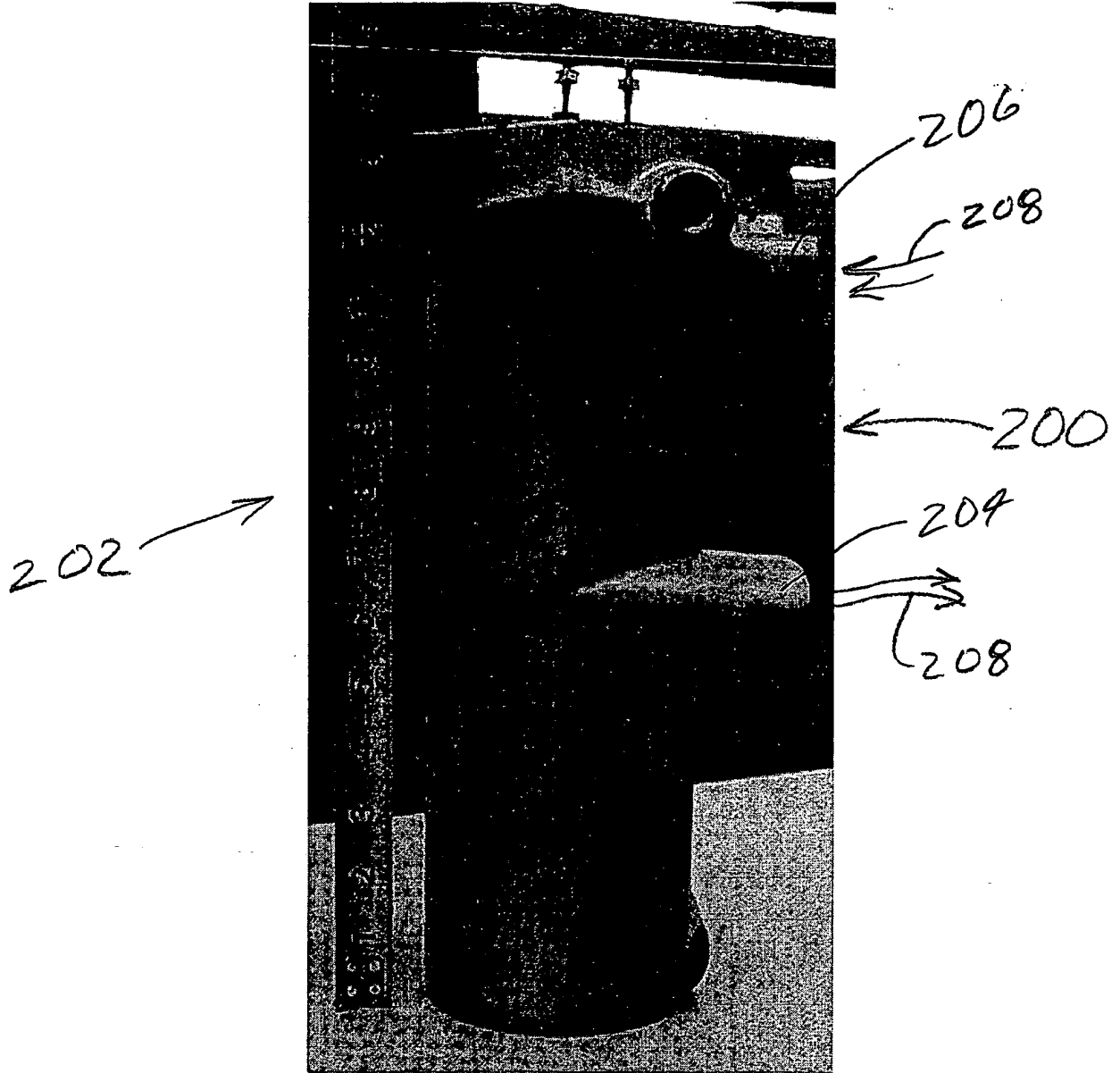


FIG. 10

PRIOR ART

202210" 896E500T

Response Time from ambient to 90° F at 60 WSI

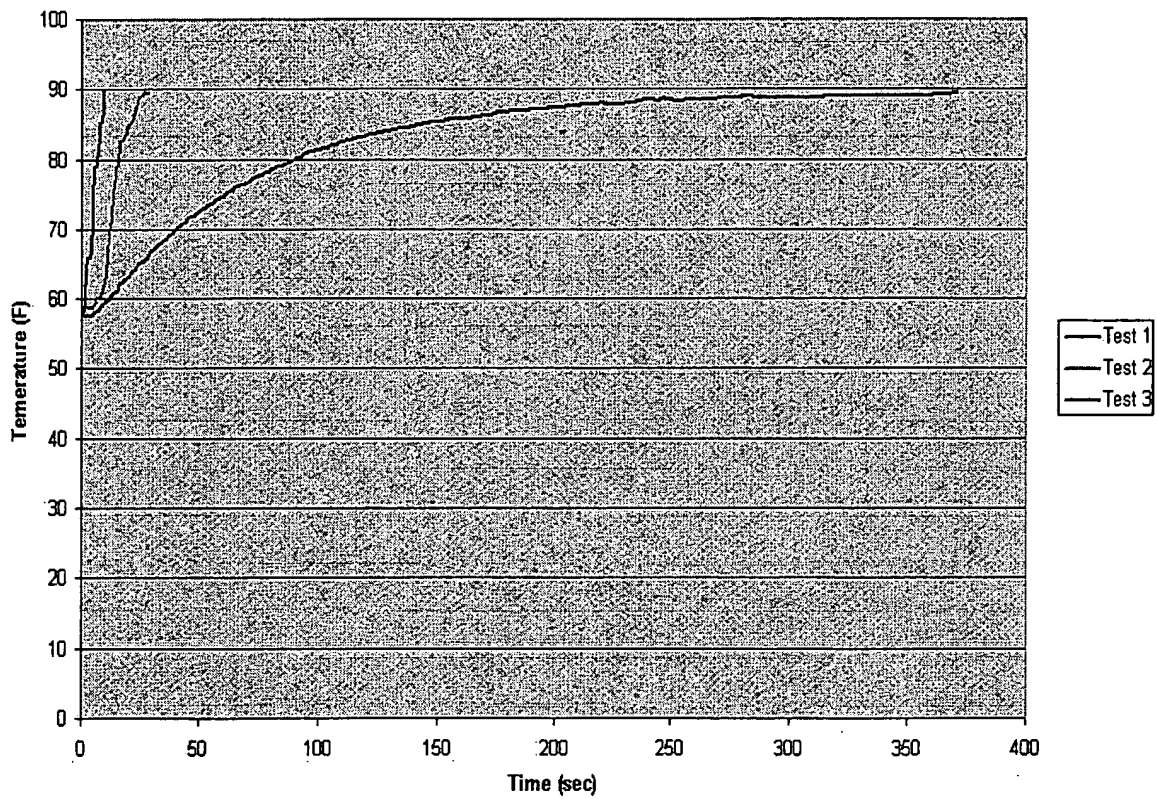


FIG. 11

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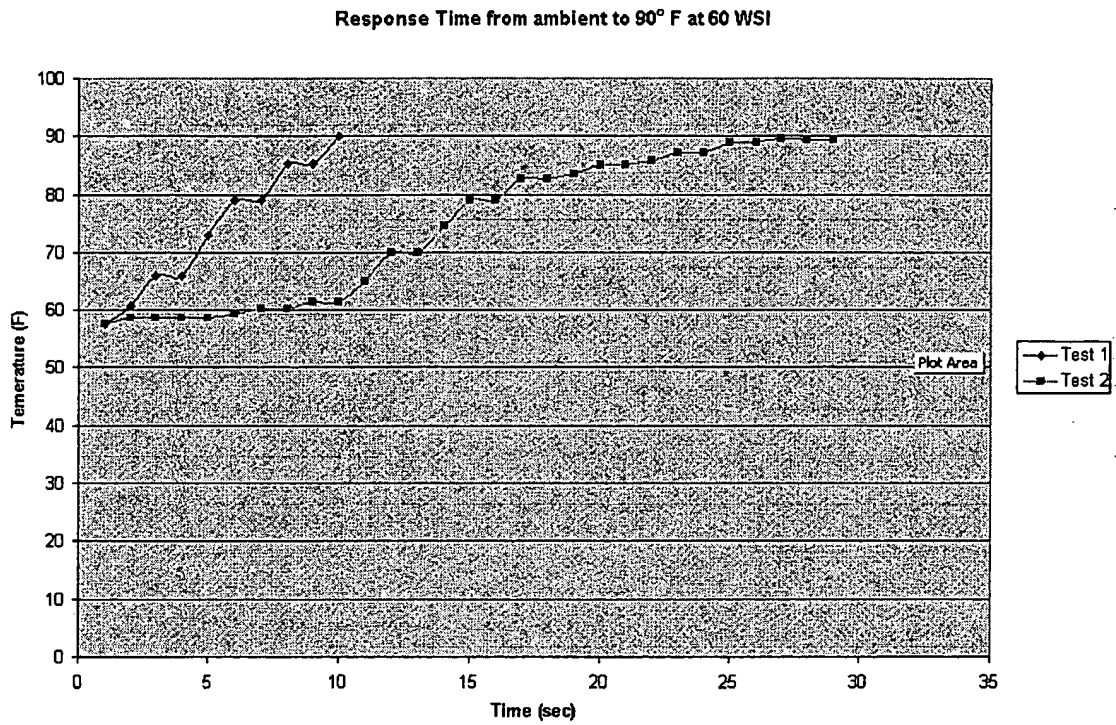


FIG. 12

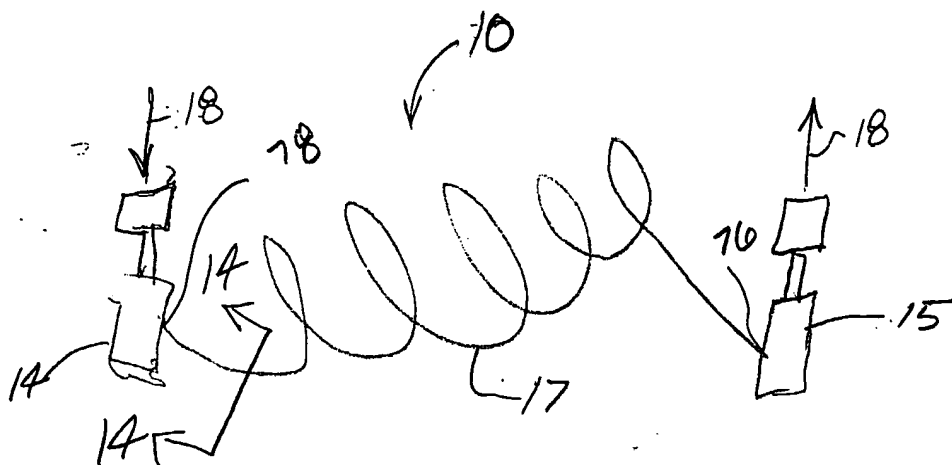


FIG. 13

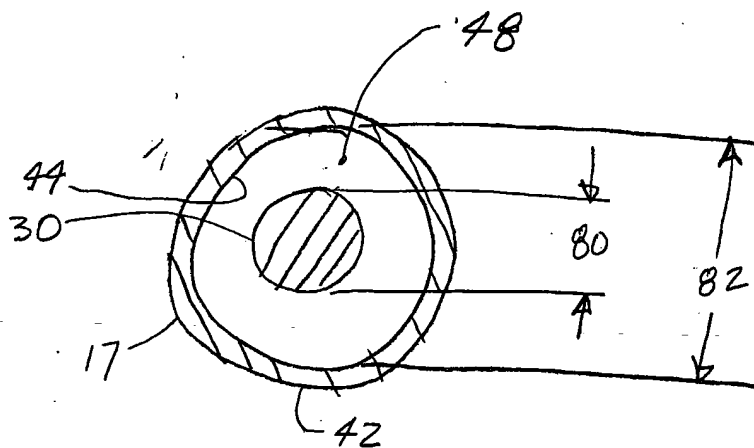


FIG. 14

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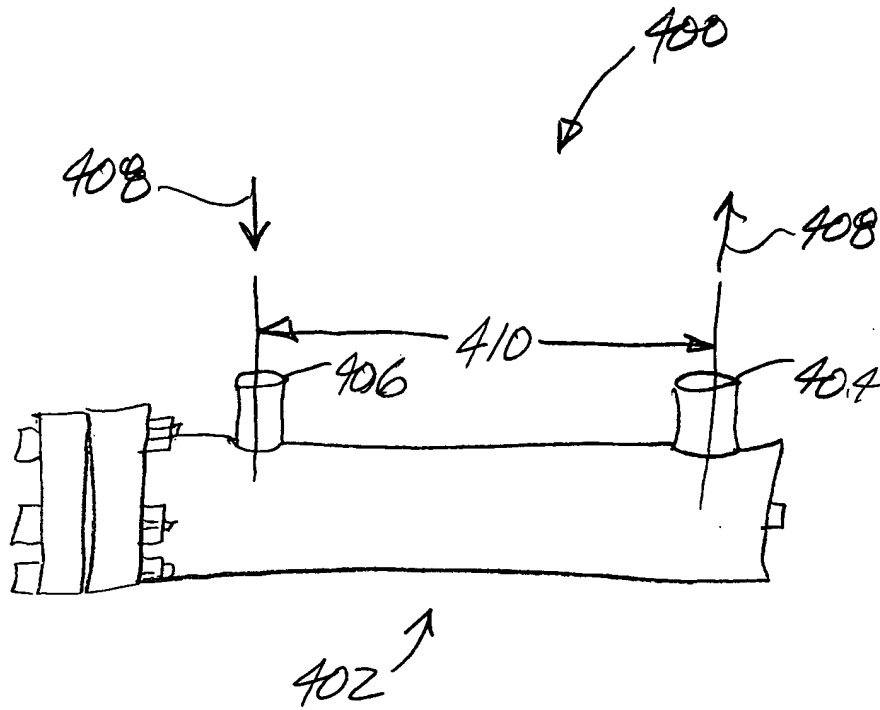


FIG. 15

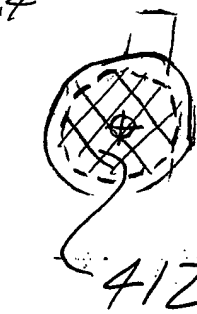


FIG. 16

PRIOR ART

Thermal Properties of Air @ Various Temperatures & 500 psig

Temperature, F	68	216	500	1000
Specific Heat Capacity, C_p	.241	.243	.250	.264
Thermal Conductivity, K	.0134	.0143	.0157	.0180
Viscosity, Absolute, μ	.0442	.0540	.0715	.0977
Density, ρ	2.62	2.06	1.43	0.94

C_p = BTU/lb-°F

K = BTU/Ft - hr - °F

μ = lb/Ft - hr

ρ = lb/Ft³

FIG. 17

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